

What is Claimed is:

1. A system for communicating information to a predetermined location comprising:
 - a transmitter configured to transmit a signal containing an instruction code, the instruction code uniquely identifying an instruction to be carried out;
 - a transceiver configured to receive the transmitted signal, said transceiver circuit including a line interface circuit configured to interface with a telephone line that is part of the public-switched telephone network (PSTN) and initiate a phone call over the telephone line, said transceiver further including a controller configured to control the reception of the transmitted signal and to control the communication of information over the telephone line, and
 - a central station located remote from said transceiver but being in communication with said transceiver via the PSTN, said central station having a decoder configured to decode the instruction code
- 2 The system as defined in claim 1, wherein the system is a service request system

3. The system as defined in claim 1, wherein the transmitted signal further includes a phone number for the transceiver to dial in order to establish connection with the central station

4 The system as defined in claim 1, wherein the transmitted signal further includes a logical IP address for the transceiver in order to route the message the central station.

5. The system as defined in claim 1, wherein the transmitter is a RF transmitter configured to transmit a low-power RF signal

6 The system as defined in claim 1, wherein the transmitted signal further includes a transmitter identifier code.

7 The system as defined in claim 1, wherein the transceiver controller is configured to communicate the transmitted signal to the central station

8. The system as defined in claim 7, wherein the transceiver controller is configured to communicate a transceiver identification code to the central station

9. The system as defined in claim 1, wherein the decoder includes a look-up table.

10. The system as defined in claim 8, wherein the central station includes means for evaluating the transceiver identification code.

11. The system as defined in claim 10, wherein the means for evaluating the transceiver code is configured to determine a geographical location of the transceiver, based on the transceiver identification code.

12. The system as defined in claim 1, further including means associated with the transmitter for sensing a service condition, and the transmitter being configured to transmit the transmitted signal in response thereto

13. The system as defined in claim 1, wherein the central station further includes means for notifying service personnel of a service condition, in response to a communication from the transceiver.

14. The system as defined in claim 1, wherein said transceiver is disposed within a public, pay-type telephone

15. A method for performing an automated service request comprising the steps of:

sensing a service condition;

notifying a transmitter of the service condition;

transmitting an information signal from the transmitter to a remotely-located transceiver, the information signal including a function code that specifies the service condition;

placing a call from the transceiver to a central station over a phone line comprising a part of the public switched telephone network (PSTN);

communicating at least the function code from the transceiver to the central station; and

decoding the function code at the central station to identify the service request

16 The method as defined in claim 15, further including the step of communicating a transceiver identification code from the transceiver to the central station

17 The method as defined in claim 16, wherein the decoding step more specifically includes decoding both the function code and the transceiver identification code to identify the service request.

18. The method as defined in claim 16, further including the step evaluating the transceiver identification code at the central station to determine a geographic location of the transceiver.

19. The method as defined in claim 15, wherein the information signal further includes a transmitter identification code.

20 The method as defined in claim 15, wherein the information signal further includes a phone number of the central station

21 The method as defined in claim 19, wherein the decoding step more specifically includes decoding both the function code and the transmitter identification code to identify the service request.

22. The method as defined in claim 19, further including the step evaluating the transmitter identification code at the central station to determine a geographic location of the transmitter

23 The method as defined in claim 15, further including the step of placing a service call in response to the decoding step.

24. The method as defined in claim 15, wherein the sensing step senses a failed condition of a system within an automobile, and the transmitting step includes transmitting information from a transmitter disposed within the automobile.

25 A transceiver comprising:

a receiver configured to receive an electromagnetic signal, the electromagnetic signal including an encoded instruction code;

a transmitter configured to transmit a formatted electric signal over a phone line comprising part of the public switched telephone network (PSTN);

a controller circuit including:

a first portion configured to obtain the instruction code from the received signal;

a second portion configured to establish a connection over the phone line to a predetermined location; and

a third portion configured to deliver the obtained instruction code to the transmitter for transmission over the phone line

26 The transceiver as defined in claim 25, wherein the circuit is a programmable circuit, and the first portion, the second portion, and the third portion are specially programmed code segments.

27 The transceiver as defined in claim 25, further including a look-up table for decoding the instruction code to identify an associated function

28. The transceiver as defined in claim 25, further including means for decoding the instruction code to identify an associate function.

29. The transceiver as defined in claim 27, wherein the associated function is a service request.

30. The transceiver as defined in claim 25, wherein the electromagnetic signal is a radio-frequency electromagnetic signal.

31. A method for relaying an electronic message from a transmitter to a central location comprising the step of:

transmitting an information signal from the transmitter to a remotely-located transceiver, the information signal including an instruction code that uniquely specifies a message,

placing a call from the transceiver to a central station identified by a predetermined phone number over a phone line comprising a part of the public switched telephone network (PSTN), and

communicating the instruction code from the transceiver to the central station

32. A transceiver comprising:

means for receiving an electromagnetic signal, the electromagnetic signal including an encoded instruction code;

means for transmitting a formatted electric signal over a phone line comprising part of the public switched telephone network (PSTN); and

means for obtaining the instruction code from the received signal and delivering the obtained instruction code to the means for transmitting for communication over the phone line to a predetermined destination.